CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

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NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.10/NNS/STEEL/2013-14 20.07.2013

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	:	**Mr. N.N. Srinivasaiah,** Contractor, Bangalore.
Name of the Work	:	Providing chain link fencing to storm water drain at selected reaches in Ward No. 10, BBMP, Bangalore.
Reference	:	AEE/VP/WO/128/2013-14 Dated: 18.07.2013
Date of Test	:	20.07.2013
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	515	558	13.20	O.K	O.K

Note:

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⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/W.No.10/NNS/Fencing/2013-14

20.07.2013

TEST REPORT ON CHAIN LINK FENCING WIRE (8th Gauge)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore

Name of work : Providing chain link fencing to storm water drain at selected reaches in Ward No. 10, BBMP, Bangalore.

Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Samples ID : Samples Supplied By Agency

Sl.No	Description	Result
1	Diameter	4.04 mm
2	Internal Spacing	50 mm X 50 mm
3	Weight / Sq. Meter (1m x 1m)	4.485 Kg

The Results relate only to the items tested

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Job No.: CTCE/BBMP/W.No.10/NNS/MS Angle/2013-14

20.07.2013

TEST REPORT ON STRUCTURAL STEEL

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore

Name of work : Providing chain link fencing to storm water drain at selected reaches in Ward No. 10, BBMP, Bangalore.

Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Samples ID : Samples Supplied By Agency

Specimen Size : ISA-65X65X6mm (1m Length)

Sl.No	Description	Result
1	Thickness	6.10 mm
2	Width	65.0 mm
3	Weight / Meter	5.88 Kg

The Results relate only to the items tested

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Job No.: CTCE/BBMP/W.No.10/NNS/MS Pipe/2013-14

20.07.2013

TEST REPORT ON M.S PIPE (38mm Dia)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore

Name of work : Providing chain link fencing to storm water drain at selected reaches in Ward No. 10, BBMP, Bangalore.

Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Specimen Size : M.S Pipe 38mm Dia

PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	2.10 mm
2	Inner Diameter	38.25 mm
3	Outer Diameter	42.45 mm
4	Weight / Meter	1.98 kg

The Results relate only to the items tested

Civil-Tech Consultants & Engineers Bangalore

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Job No.: CTCE/BBMP/W.No.10/NNS/CUBE/2013-14

24.08.2013

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore

Name of the work : Providing chain link fencing to storm water drain at selected reaches in Ward No. 10, BBMP, Bangalore.

Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2013	24.08.2013	8.162	478.9	21.28
2	27.07.2013	24.08.2013	8.247	493.4	21.93
3	27.07.2013	24.08.2013	8.378	513.2	22.81

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Reference : AEE/VP/WO/128/2013-14 Dated: 18.07.2013

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2013	24.08.2013	8.345	502.1	22.32
2	27.07.2013	24.08.2013	8.325	496.5	22.07
3	27.07.2013	24.08.2013	8.368	508.9	22.62

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Reference	: AEE/VP/WO/128/2013-14 Dated: 18.07.2013
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2013	24.08.2013	8.106	476.4	21.17
2	27.07.2013	24.08.2013	8.192	493.8	21.95
3	27.07.2013	24.08.2013	8.234	506.5	22.51

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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2013	24.08.2013	8.085	470.8	20.92
2	27.07.2013	24.08.2013	8.145	487.3	21.66
3	27.07.2013	24.08.2013	8.225	510.8	22.70

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